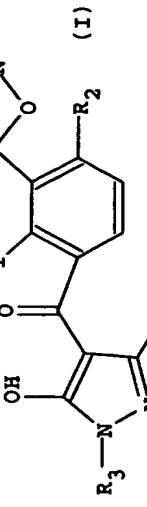


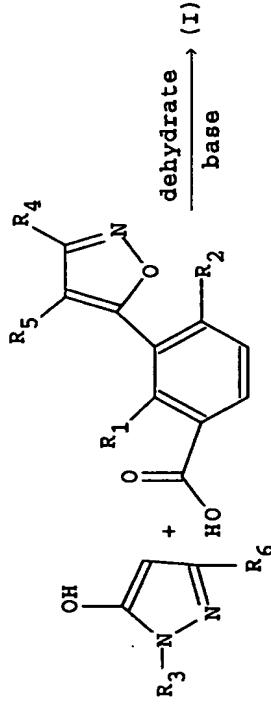
(S.Q.)

20 97/4/11/6

98-041691/04 NIPPON SODA CO 96.12.26 96JP-356866(+96JP-131170) (97.11.06) C07D 413/10, A01N 43/56	New 4-(1,2-isoxazol-5-yl)-benzoylpyrazole derivatives - are herbicides with high safety towards crops e.g. wheat (Jpn) C98-013843 N(AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SJ SK TJ TM TR TT UA UG US UZ VN R(AT BE CH DE DK EA ES FI FR GB GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG)	NIPS 96.04.26 *WO 9741116-A1 C(7-E1, 14-V2B) .2		Addnl. Data: ADACHI H, TANAKA K, YAMAGUCHI M, MIYAHARA O, KOGUCHI M, KAWANA T, TAKAHASHI A, YAMADA S 97.02.10 97WO-JP00340, 96.11.13 96JP-317153, 96.11.13 96JP-317154	R ₁ = 1-6C alkoxy or 1-6C haloalkoxy; R ₂ = halo, 1-6C haloalkyl, 1-6C alkylsulphinyl or 1-6C alkylsulphonyl; R ₃ = H or 1-6C alkyl; R ₄ -R ₆ = H, 1-6C alkyl or 1-6C haloalkyl.
	4-(1,2-isoxazol-5-yl)-benzoylpyrazole derivatives of formula (I) and their salts are new.	USE <u>(I)</u> are herbicides.		WO 9741116-A+	

ADVANTAGE
 (I) are selective with high safety towards crops such as wheat and corn.

PREPARATION



EXAMPLE

2-Methoxy-4-methanesulphonyl-3-(3-methyl-1,2-isoxazol-5-yl)benzoyl chloride (0.82g) in CH_2Cl_2 (3ml) was added dropwise to 1-ethyl-5-hydroxy-pyrazole (0.41g) and NEt_3 (0.56g) in CH_2Cl_2 (10ml) and the mixture was stirred for 1 hour at room temperature. Work-up including silica gel chromatography gave 20 mg 1-ethyl-5-hydroxy-4-

{2-methoxy-3-(3-methyl-1,2-isoxazol-5-yl)-4-methanesulphonylbenzoyl}pyrazole, m.pt. 194-196 °C.

HERBICIDAL DATA

(I; $\text{R}_1 = \text{OMe}$; $\text{R}_2 = \text{SO}_2\text{Me}$; $\text{R}_3, \text{R}_4 = \text{Me}$; $\text{R}_5, \text{R}_6 = \text{H}$) at 63g/ha gave 100% control of *Echinochloa crus galli* and *Xanthium strumarium* with no phytotoxicity towards wheat.(CBB)
 (40pp1839DwgNo.0/0)
 SR:AU9336481 AU9646655 AU9988130 EP282944 EP629623 JP2173
 JP5515530 US4885022 US5468722 WO9318031 WO9626206

|WO 9741116-A